

The index has three parts: subjects, titles, and authors. Alphabetizing is letter-by-letter, not word by word; for example "Educational" would precede "Educational theory."

Cognitive style and study techniques ..... 2:108A  
 College biology teaching .... 3:105A; 4:248F  
 Colleges, types of ..... 3:150A  
 Communicating biology ..... 2:78A  
 Communication among teachers .... 9:527E  
 Community college teaching ..... 6:362A  
 Competition  
   in health professions ..... 4:224A  
   in science fairs ..... 7:419A  
   in the field of writing ..... 3:156A  
 Compulsory education ..... 5:317L  
 Computer  
   demonstration ..... 8:499F  
   simulations ..... 6:362A  
   use of in instruction ..... 1:47F  
 Concept level, teaching at ..... 8:506F  
 Concrete operational level of intellectual development ..... 1:39A  
 Conservation occupations ..... 4:248F  
 Conservationist ..... 4:228A  
 Constructing an incubator ..... 6:375F  
 Contemplation exercise ..... 1:30A  
 Continuing education ..... 2:78A  
   in the health profession ..... 4:224A  
 Contraception, history of ..... 1:36A  
 Contraction, graded ..... 6:358A  
 Controversies about sex education  
   5:309F, 5:310F, 5:311F, 5:312F, 5:313F  
   ..... 5:314F, 5:315F  
 Convention sites ..... 6:372L  
 Coastal conservancy law ..... 2:111A  
 Counselors, genetic ..... 5:304A  
 Course development, bioethics in .... 2:85A  
 Court cases ..... 1:10A  
 CPR in human anatomy class ..... 7:437F  
 Creation ..... 2:91A  
 Creation Research Society ..... 2:91A  
 Creationism  
   in biology curriculum ..... 1:23A  
   in biology textbooks ..... 1:10A  
 Creationist textbook watchers ..... 9:541A  
 Creativity and science fiction ..... 5:275A  
 Crop sciences ..... 4:231A  
 Cultures of zoospores ..... 8:484A  
 Culturing of lichens ..... 8:470A  
 Curator, employment as ..... 3:166A  
 Curiosity, development of ..... 3:146A  
 Curricula, innovative ..... 7:426A  
 Curriculum ..... 5:268A, 5:316F  
   bioethics ..... 2:85A  
   career education in ..... 4:242A  
   in biology and art ..... 3:160A  
   projects ..... 3:148A  
   sex education in ..... 5:309F  
 Diary science ..... 4:231A  
 Damage to prehistoric ruins ..... 1:13A  
 Darwin ..... 2:91A  
 Data, pooling of ..... 9:546A  
 Decision-making, bioethical ..... 2:85A  
 Decomposers and dissolved oxygen ..... 6:346A  
 Deficiencies in laboratory inquiries ..... 6:353A  
 Demonstration, computer ..... 8:499F

Demythologizing warfare of science and theology ..... 9:553A  
 Depth-of-field concept ..... 1:43F  
 Developing countries food supply in ..... 6:342A  
 Development, prenatal ..... 5:304A  
 Dichotomies in creationism ..... 2:91A  
 Dietary selenium ..... 7:406A  
 Diffusion of oxygen ..... 6:346A  
 Director of NABT ..... 9:561A  
 Discussions, values clarification in ..... 9:532A  
 Disease prevention and control ..... 6:342A  
 Dissolved oxygen, factors affecting ..... 6:346A  
 Distribution of food ..... 6:342A  
 Diversity index ..... 1:47F  
 Dogmatic theology ..... 9:553A  
 Ecological concepts ..... 9:572F  
 Ecological services laboratory ..... 3:179A  
 Ecologists, marine ..... 3:152A  
 Ecology  
   and science fiction ..... 5:275A  
   of lichens ..... 8:470A  
 Ecosystems, study of in elementary science ..... 3:146A  
 Ectomycorrhizae ..... 7:414A  
 Education  
   as a community service ..... 2:78A  
   attitudes toward ..... 2:115F  
   courses in teacher education ..... 3:186F  
   goals of ..... 5:316F  
   in genetics ..... 2:77E  
   in preparation of careers ..... 3:145E  
   of citizens ..... 5:280A  
   of teachers ..... 8:505F  
 Educational  
   opportunities in agriculture ..... 4:231A  
   planning for biology majors ..... 3:186F  
   policy and adolescents ..... 7:423A  
   prerequisites for entomologists ..... 4:237A  
   problems ..... 9:527E  
   requirements for careers in genetics ..... 4:213A  
   requirements in health professions ..... 4:224A  
   requirements in microbiology ..... 4:205A  
 Effectiveness of study techniques ..... 2:108A  
 Eggs, number laid ..... 9:546A  
 Electrocardiograph technicians ..... 4:228A  
 Electroencephalographic technicians ..... 4:228A  
 Elementary education objectives ..... 3:146A  
 Elm, old ..... 6:375F  
 Emergency medical technician ..... 4:217A  
 Employment  
   opportunities in marine biology ..... 3:152A  
   outlook for technicians ..... 4:228A  
   outlook in genetics ..... 4:213A  
   outlook in microbiology ..... 4:205A  
   statistics ..... 3:181A  
 Endomycorrhizae ..... 7:414A  
 Energy conservation ..... 6:342A  
 Enrollments, decline in secondary science ..... 2:115F  
 Entomological Society of America ..... 4:237A  
 Entomologists ..... 4:237A  
 Entomology ..... 3:166A, 5:317A  
 Environment, attitudes toward ..... 1:30A  
 Environmental  
   awareness ..... 1:30A, 2:82A  
   factors affecting mycorrhiza ..... 7:414A  
   microbiology ..... 4:205A  
 Enzyme activity ..... 7:438F  
 Equal Rights Amendment ..... 6:337E  
 ERA and convention sites ..... 6:372L

Ethical implications of biology ..... 7:405E  
 Ethics, biology and ..... 8:469E  
 Eugenics ..... 2:77E  
 Evaluation of  
   audiotutorial model ..... 1:17A  
   bioethics course ..... 2:85A  
   bird nesting minicourse ..... 9:546A  
   environmental education ..... 1:30A  
   individualized instruction ..... 6:365A  
   instruction for honors students ..... 2:105A  
   manipulation as an instructional method ..... 1:39A  
   medical awareness minicourse ..... 8:492A  
   student performance ..... 5:318F  
   teacher effectiveness ..... 1:27A  
   teaching ..... 9:534A  
 Evidence for evolution ..... 2:91A  
 Evolution ..... 1:10A, 2:91A  
 Evolution, teaching of ..... 1:23A  
 Examinations ..... 7:426A  
   final ..... 5:322F  
   standardized ..... 1:27A  
 Experiment to study student evaluation of teaching ..... 9:534A  
 Experiments with zoospores ..... 8:484A  
 Explorations about health careers ..... 4:224A  
 Extension work in entomology ..... 4:237A  
 Factors affecting dissolved oxygen ..... 6:346A  
 Feeding of caged insects ..... 8:498F  
 Female scientists in the work force ..... 3:181A  
 Fertilizer and world food supply ..... 6:342A  
 Field  
   studies of dissolved oxygen ..... 6:346A  
   study of birds ..... 9:546A  
   trip examination ..... 5:322F  
   trips as introduction to health careers ..... 4:217A  
 Films, radiological ..... 9:575F  
 Final examination ..... 5:322F  
 Financial aid ..... 4:248F  
 Fire pit concentration ..... 1:13A  
 Fish and wildlife management ..... 4:231A  
 Fish, behavior of ..... 8:487A  
 Fisheries biologists ..... 3:152A  
 Flexibility in career planning ..... 3:150A  
 Flexibility needed by health professionals ..... 4:224A  
 Floriculture ..... 4:231A  
 Food  
   for world ..... 6:342A  
   from roots ..... 6:338A  
   microbiology ..... 4:205A  
   reserves ..... 6:342A  
   science occupation ..... 4:248F  
   science technician ..... 4:228A  
   storage in algae ..... 9:528A  
 Foresters ..... 4:231A  
 Forestry occupations ..... 4:248F  
 Formal operations ..... 5:268A  
 Formax preservative ..... 1:21A  
 Fossil record and evolution ..... 2:91A  
 Frame-shift mutations ..... 8:499F  
 Freedoms ..... 1:10A  
 Fundamentalist views ..... 1:23A  
 Fungi, zoospores of ..... 8:484A  
 Fungibility of baccalaureate biologists ..... 3:186F  
 Future, biology teaching for ..... 2:117F  
 Future role of biology teachers ..... 3:148A

Future study through science fiction .....5:275A

Gavin, John .....3:175A

General education, biology in .....2:117F

Generalists on museum staffs .....3:166A

Generalizations .....5:268A

Genetic

- counselors .....5:304A
- disease .....4:213A
- engineering .....2:77E
- research .....4:213A
- screening .....5:280A

Genetics

- human .....5:280A
- medical .....4:213A
- microbial .....4:205A

Geographic distribution of selenium .....7:406A

Gerbil, Mongolian .....9:557A

Gibberellic acid .....8:480A

Gifted student .....2:105A

Ginseng roots .....6:338A

Goals of education .....5:316F

Gofocles, historical .....9:563F

Government agencies, employment of

- entomologists in .....4:237A

Grade-point-average and evaluation of

- teaching .....9:534A

Grading of examination .....7:426A

Grand Canyon National Park .....1:13A

Growth of lichens .....8:470A

Guest speakers .....8:492A

- women as .....3:181A

Guidelines about pronoun use .....5:267E

Guidelines for selecting audiovisuals .....5:304A

Handicapped biologists .....3:175A

Handicaps and careers in biology .....3:175A

"He" Problem in language .....5:267E

Health and science fiction .....5:275A

Health care deliver, genetics in .....4:213A, 4:224A

Health personnel, maldistribution of .....4:217A

Health profession, factors in choosing a .....4:224A

Health professionals .....4:217A

Heart

- artificial .....2:85A
- poem about the .....7:440F

Hemostasis, demonstration of .....2:120F

Heredity, audiovisuals about .....5:304A

Herpetology .....9:569F

History of roots .....6:338A

History of science .....9:553A

Honorary member .....8:491F

Honors student .....2:105A

Hormones .....7:410A

Hormones, effects of on plants .....8:480A

Human

- experimentation .....2:85A

Human genetics .....2:77E, 4:213A, 5:280A

- audiovisuals about .....5:304A

Human impact on parks .....1:13A

Human selenium toxicosis .....7:406A

Human waste disposal .....1:13A

Humane treatment of animals .....4:236A

Humanizing language .....6:372L, 7:442L

Humidity, effect on dissolved oxygen .....6:346A

Hunger .....6:342A

Hybridization experiments .....2:91A

Hypothesis .....5:268A

Hypothesis testing .....2:91A

Identification of lichens .....8:470A

Ignorance about sex .....5:310F

Immunology .....4:205A

Implementation of computer simulations .....6:362A

Implications of Piagetian concepts .....5:268A

Imprinting .....8:487A

Incongruities in intellectual development .....5:268A

Incubator, how to build .....6:375F

India, biology teaching in .....6:372L

Individualized instruction .....5:318F

Individualized learning .....5:272A

Individualization of instruction .....6:365A

Industrial employment for entomologists .....4:237A

Industrial microbiology .....4:205A

Information for contributors .....6:371F

Information on health careers .....4:224A

Information processing .....5:268A

Inheritance in evolutionary theory .....2:91A

Inheritance, mechanisms of .....5:304A

Inner Gorge of Grand Canyon National

- Park .....1:13A

Inquiry .....7:435F

- Inquiry skills .....6:353A

Insects and world food supply .....6:342A

Insects, cage for .....8:498F

Instructional methods .....1:30A

Instructional objectives

- for honors students .....2:105A
- of bioethics course .....2:85A

Instructor, role of in computer simulations .....6:362A

Integrating science into the elementary

- curriculum .....3:146A

Intellectual development .....5:268A

Interdisciplinary education and opportunities for women .....3:181A

Interdisciplinary program .....9:546A

International food reserve .....6:342A

Invertebrate zoology .....3:166A

Investigations

- in animal behavior .....8:487A
- use of lichens in .....8:410A

Ions, effect of on dissolved oxygen .....6:346A

Irrigation and world food supply .....6:342A

Isolation of lichens .....8:470A

Isosmotic and isotonic .....7:442L

Isosmotic solutions .....5:321F

Isotonic and Isosmotic .....7:442L

Isotonic solutions .....5:321F

Job seeking .....3:150A, 3:172A

Jobs

- in the Park Service .....3:179A
- in museums .....3:166A

Judging of science fair projects .....7:419A

Junior high

- activities .....2:82A
- program .....8:492A

Klinge, Paul .....7:429F

Knowledge of genetics .....5:280A, 5:285A

The index has three parts: subjects, titles, and authors. Alphabetizing is letter-by-letter, not word by word; for example "Educational" would precede "Education theory."

Labor force, female scientists in .....3:181A

Laboratory activities .....1:39A, 1:45F, 1:47F

- .....1:49F, 6:346A, 9:528A
- computer simulations in .....6:362A

Laboratory

- animal restraining device .....9:569F
- breakage .....6:372L
- care of gerbils .....9:557A
- equipment .....6:375F
- genetic careers in .....4:213A
- inquires, analysis of .....6:353A
- investigations .....8:480A
- procedures for enzyme assays .....7:438F
- procedures to determine osmotic potential .....2:119F
- procedures to demonstrate hemostasis .....2:120F
- studies of lichens .....8:470A
- studies of zoospores .....8:484A
- study of milk release .....7:410A

Land use .....2:111A

Language .....5:267E

- Language, humanizing of .....7:442L

Learning activities .....5:275A

Learning activity packages .....2:105A

Learning, effect of study techniques for .....2:108A

Learning resource center .....6:362A

Learning retention in individual instruction .....6:365A

Learning theory .....5:268A

Legislation concern creationism .....2:91A

Legislation concerning the teaching of

- evolution .....1:23A

Legislative intervention in evolution-creation issue .....2:91A

Liberal arts education .....3:186A

Lichens .....8:470A

- as indicators of air quality .....1:47F

Lifetime education .....2:78A

Life science occupations .....4:248F

Life styles and contraceptives .....1:36A

Light

- effect of on dissolved oxygen .....6:346A
- effect of on morning glories .....8:480A

Lightfoot, John .....9:553A

Lightner, J.P. ....9:561A

Living space .....2:111A

Litter in parks .....1:13A

Lotic community .....9:572F

MACOS .....9:541A

Man: A Course of Study .....9:541A

Maintenance of Mongolian gerbil .....9:557A

Maldistribution of health personnel .....4:217A

Mammal studies in museums .....3:166A

Mammals, behavior of .....8:487A

Mandrake roots .....6:338A

Manipulation as an instructional method .....1:39A

- Marine biology ..... 3:152A  
 Marine food resource ..... 6:342A  
 Marine science for honors students ..... 2:105A  
 Marine science technicians ..... 4:228A  
 Masculine words ..... 5:267E  
 Mathematical ability and interest ..... 3:181A  
 Mating behavior ..... 8:487  
 Matriculation examinations ..... 7:426A  
 Mechanics of writing ..... 3:156A  
 Mechanisms of evolution ..... 2:91A  
 Medical and veterinary entomology ..... 4:237A  
 Medical assistants ..... 4:228A  
 Medical awareness ..... 8:492A  
 Medical genetics, careers in ..... 4:213A  
 Medical laboratory sciences ..... 4:217A  
 Medical microbiology ..... 4:205A  
 Medical technicians ..... 4:228A  
 Medicinal uses of roots ..... 5:338A  
 Meiosis ..... 1:45F  
 Membrane excitability in muscle cells ..... 6:358A  
 Memoriam for Paul Klinge ..... 7:429F  
 Men, images of ..... 6:337E  
 Mendel ..... 6:371F  
 Merit evaluation of teaching ..... 9:534A  
 Metabolic factors affecting mycorrhiza ..... 7:414A  
 Metabolism of selenium ..... 7:406A  
 Methods  
   of analyzing laboratory inquires ..... 6:353A  
   of evaluating teaching ..... 9:534A  
   of teaching nonmajors ..... 9:564F  
 Microbiology, careers in ..... 4:205A  
 Microscope, use of ..... 1:43F  
 Microscopy ..... 9:576F  
 Milk jugs, recycling of ..... 7:441F  
 Milk release by oxytocin ..... 7:410A  
 Minicourses ..... 5:318F  
 Minicourse  
   on bird nesting ..... 9:546A  
   on medical awareness ..... 8:492A  
 Mitosis ..... 1:45F  
 Model  
   for dealing with bioethical issues ..... 2:85A  
   for studying bent wire phenomenon ..... 7:435F  
 Models  
   audiotutorial as research tool ..... 1:17A  
   in biology teaching ..... 2:117F  
   manipulative ..... 1:39A  
   of cell size ..... 8:502F  
 Module, teacher-training ..... 8:506F  
 Modules ..... 5:318F  
 Mongolian gerbil ..... 9:557A  
 Moore, John Alexander ..... 8:491  
 Morning glory, photoperiodism in ..... 8:480A  
 Mortality of birds ..... 9:546A  
 Motility of zoospores ..... 8:484A  
 Motivation ..... 2:115F  
 Motivation, teacher ..... 6:372L  
 Mounting of preserved birds ..... 1:21A  
 Mouse  
   anatomy ..... 7:410A  
   colony, use of in milk release study ..... 7:410A  
   restraining device for ..... 9:569F  
 Muscle fiber types ..... 6:358A  
 Muscle, skeletal ..... 6:358A  
 Museum careers ..... 3:166A  
 Museum collections, preservation of birds  
   for ..... 1:21A  
 Mutation  
   and protein structure ..... 8:499F  
   in evolutionary theory ..... 2:91A  
 Mutations, effect on race ..... 9:532A  
 Mutualism ..... 7:414A  
 Mycology ..... 4:205A  
 Mycorrhiza ..... 7:414A  
 NABT  
   Convention sites ..... 6:372L  
   Director ..... 9:561A  
   Honorary Member ..... 8:491F  
   participation in ..... 7:405E  
 Natality of birds ..... 9:546A  
 National Assessment of Educational Progress ..... 9:527E  
 National Association of Biology Teachers ..... 6:337E  
 Natural history of the Mongolian gerbil ..... 9:557A  
 National Museum of Natural History ..... 3:166A  
 National Park Service ..... 3:172A, 3:179A  
 National Women's Conference ..... 6:337E  
 Natural selection ..... 2:91A  
 Naturalists ..... 3:179A  
 Nature of science ..... 2:78A  
 Nelkin, views of on textbooks ..... 9:541A  
 Nesting birds ..... 9:546A  
 Nonmajor biology students ..... 9:564F  
 Objective truth ..... 9:553A  
 Objectives of curricula ..... 7:426A  
 Obligations of adolescents ..... 7:423A  
 Obligations of schools ..... 7:423A  
 Oceanography occupations ..... 4:248F  
 Occupational clusters ..... 4:242A  
 Open-space classrooms ..... 5:318F  
 Operant conditioning ..... 8:487A  
 Operating room technicians ..... 4:228A  
 Opinions about genetics ..... 5:280A, 5:285A  
 Opportunities for women in science ..... 3:181A  
 Opportunities in entomology ..... 4:237A  
 Opportunities, Office of, AAAS ..... 3:181A  
 Opposition to sex education ..... 5:311F  
 Options, need for in careers ..... 3:145E  
 Optometric technicians ..... 4:228A  
 Organization of laboratory inquires ..... 6:353A  
 Original sin ..... 8:505F  
 Ornamental horticulture technician ..... 4:228A  
 Outdoor education ..... 1:30A  
 Outline, need for in writing ..... 3:156A  
 Oxygen in water, factors affecting ..... 6:346A  
 Oxygen, malic vs. bound ..... 6:346A  
 Oxygen molecular vs. bound ..... 6:346A  
 Oxytocin-induced milk release ..... 7:410A  
 Paleobiology ..... 3:166A  
 Paleontology  
   evidence of evolution from ..... 2:91A  
   microbial ..... 4:205A  
 Parenthood ..... 3:181A  
 Parents, influence on by creationists ..... 2:91A  
 Participation in science fairs ..... 7:419A  
 Participation of adolescents in adult activities ..... 7:423A  
 Personal qualities ..... 3:172A  
   of health professionals ..... 4:224A  
   of marine biologists ..... 3:152A  
   in career choices ..... 3:145E  
 Pest control industry ..... 4:237A  
 Photoperiodic studies ..... 8:480A  
 Physician's assistant ..... 4:217A  
 Physiologists, marine ..... 3:152A  
 Physiology  
   microbial ..... 4:205A  
   of lichens ..... 8:470A  
 Piaget ..... 5:268A  
 Pigment in algae ..... 9:528A  
 Pigments of lichens ..... 8:470A  
 Plant  
   breeders ..... 4:231A  
   disease and world food supply ..... 6:342A  
   pathologists ..... 4:231A  
   rocks and zoospores ..... 8:484A  
   science technician ..... 4:228A  
   sciences ..... 4:231A  
   tissues ..... 1:39A  
   tissues, osmotic potential in ..... 2:119F  
   preparation of for photoperiodism studies ..... 8:480A  
 Plastic milk jugs, recycling of ..... 7:441F  
 Poetry in biology ..... 7:440F  
 Political involvement ..... 7:405E  
 Population  
   and world food supply ..... 6:342A  
   growth, effect of on land use ..... 2:111A  
   Populations, mixing of ..... 9:532A  
   Population studies, genetics in ..... 4:213A  
   Poultry science ..... 4:231A  
   Predator-prey relationships ..... 2:82A  
   Prenatal development ..... 5:304A  
 Preparation  
   for a career in marine biology ..... 3:152A  
   for biology teaching at the secondary level ..... 3:148A  
   for college biology teaching ..... 3:150A  
   for health professions ..... 4:217A  
   for simulations ..... 2:82A  
 Preservation of birds ..... 1:21A  
 Principles for designing a nonmajors course ..... 9:564A  
 Problems, educational ..... 9:527E  
 Problems in individualized instruction ..... 2:105A  
 Procedures  
   for organizing a club ..... 7:439F  
   for studying zoospores ..... 8:484A  
 Productivity, agricultural ..... 6:342A  
 Professional awareness ..... 3:148A  
 Professional life of marine biologists ..... 3:152A  
 Professional museum personnel ..... 3:166A  
 Professional opinions on sex education ..... 5:309F  
 Professional organizations ..... 4:224A  
 Project  
   classroom ..... 9:569F  
   for biology clubs ..... 7:439F  
   for science fair ..... 7:419A  
 Pronouns and sexist language ..... 6:372L  
 Protein structure and mutation ..... 8:499F  
 Prothrombin time test ..... 2:120F  
 Protozoology ..... 4:205A  
 Public education ..... 2:78A  
 Public health, microbiology in ..... 4:205A  
 Public opinion and textbook selection ..... 9:541A  
 Public policy regarding adolescents ..... 7:423A  
 Publications on careers ..... 4:248F  
 Publishing contracts ..... 3:156A



Quantitative assay .....	7:438F
Questionnaire for student evaluation of teaching .....	9:534A
Questions for would-be writers .....	3:156A
Questions on tape tutor .....	5:272A

Race, origin of .....	9:532A
Radiologic technologists .....	4:228A
Radiological films .....	9:575F
Rangers, careers as .....	3:179A
Rats, behavior of .....	8:487A
Recognition in science fairs .....	7:419A
Recommendations for genetic education .....	5:280A, 5:285A

Recovery of stored amoeba .....	9:573F
Recycling of plastic milk jugs .....	7:441F
Refuting of creationism .....	2:91A
Reproductive biology .....	8:469E
Reptiles and amphibian studies in museums .....	3:166A

Research	
and world food supply .....	6:342A
careers for entomologists .....	4:237A
emphasis in biological education .....	3:186F
genetics, careers in .....	4:213A
mycorrhizal .....	7:414A
on audiotutorial instruction .....	1:17A
use of gerbil in .....	7:557A
Resignation of NABT Director .....	9:561A
Resource people for bioethics course .....	2:85A

Resources for career information .....	4:248F
Resources, science fiction .....	5:275A
Respect .....	1:9E
Respiration and medical problems .....	8:492A

Respiration therapy, careers in .....	4:217A
Restraining device .....	9:569F
Rhizosphere .....	1:50F

Role	
of biology teacher .....	3:148A
stereotypes .....	6:337E
Roots .....	6:338A

Saber-tooth tigers .....	5:316F
Salaries in microbiology .....	4:205A
Schools	

obligations of .....	7:423A
sexism in .....	6:337E

Science	
and human values .....	5:304A
and technology .....	8:469E
and theology .....	9:553A
education, bioethics in .....	2:85A
fair .....	7:419A
fairs, assistance of health professionals with .....	4:217A
fiction .....	5:275A
in elementary education .....	3:146A
misuse of .....	2:77E
teaching, freedom in .....	1:10A
women in .....	3:181A

Scientific	
contributions at early age .....	3:181A
knowledge, lag in course content .....	8:469E
literacy .....	2:78A
Sciomyzid flies .....	5:317L
Secondary science teachers .....	2:115F
Secondary teaching .....	4:248F
Selection criteria for teachers .....	3:172A
Selenium .....	7:406A
Selenosis .....	7:406A
Sex education .....	5:309F
an opinion about .....	5:312F

The index has three parts: subjects, titles, and authors. Alphabetizing is letter-by-letter, not word by word; for example "Educational" would precede "Education theory."

integration into K-12 curriculum ..	5:313F
opposition to .....	5:311F
reaction to symposium .....	5:315F
response at symposium .....	5:314F
Sex hormones from yam root .....	1:36A
Sex-linked inheritance, audiovisuals about .....	5:304A
Sex-role ideology .....	3:181A
Sex roles .....	6:337E
Sexism .....	6:337E
Sexist language .....	6:372L
Sexual ignorance .....	5:310F
Sexuality, biological aspects of .....	5:304A
Shoemakers, shooting of .....	1:10A
Simulation of web roles .....	2:82A
Simulations, computer .....	6:362A
Sins, original and other .....	8:505F
Skeletal muscle .....	6:358A
Skull cleaning .....	8:502F
Smithsonian Institution .....	3:166A
Social implications of biology .....	7:405E
Society, biology and .....	8:469E
Soil biome .....	1:50F
Soybeans as protein source .....	6:342A
Space for living .....	2:111A
Space microbiology .....	4:205A
Speakers, guest .....	8:492A
Species concept .....	2:91A
Spide's, behavior of .....	8:487A
Sponsorship in scientific community .....	3:181A
Sporangia .....	8:484A
Status of women .....	3:181A
Stearner, S. Phyllis .....	3:175A
Steroids, preparation of .....	1:36A
Storage of amoeba .....	9:573F
Stream, artificial .....	9:572F
Student	
activities .....	9:528A
attitudes toward environment .....	1:30A
awareness of bioethical issues .....	2:85A
-designed inquiries .....	6:353A
discussion questions on oxygen in water .....	6:346A
evaluation .....	5:318F, 9:546A
evaluation for bioethics course .....	2:85A
evaluation of individualized instruction .....	6:365A
evaluation of teaching .....	9:534A
evaluations of teaching assistants .....	1:27A
freedom in individualized instruction .....	6:365A
interest, stimulation of .....	1:49F
interests, assessment of .....	4:242A
investigations of algae .....	9:528A
involvement in computer simulations .....	6:362
performance in individualized instruction .....	6:365A
talented .....	2:105A
Students	
diversity of .....	3:148A
in genetics survey .....	5:280A, 5:285A
learning activities for .....	5:275A
nonmajors .....	9:564F
respect for .....	1:9E

Study techniques .....	2:108A
Style in writing .....	3:156A
Survey of human genetics education .....	5:280A, 5:285A
Sweet potato roots .....	6:338A
Swimming and bathing, pollution due to .....	1:13A
Symbionts .....	8:470A
Symposium on sex education .....	5:309F
Synthetic steroids .....	1:36A

Tape tutor .....	5:272A
Task analysis of laboratory inquiries .....	6:353A

Task cards for student use .....	2:82A
Tautology .....	2:91A
Taxonomy of mycorrhizal plants .....	7:414A

Teacher	
effectiveness, assessment of .....	1:27A
motivation .....	6:372L
survey about genetics .....	5:285A
training .....	3:146A
training in genetics .....	5:280A
training module .....	8:506F
concerns of about career education .....	4:24A
dedication of .....	8:505F
loss of jobs .....	2:115F
role of in health career education .....	4:217A

Teaching	
and sex-related issues .....	4:248F
assistants, evaluation of .....	6:337E
at the concept level .....	1:27A
biology at the college level .....	8:506F
biology at the secondary level .....	3:150A
careers for entomologists .....	3:148A
elementary science .....	4:237A
methods .....	3:146A
1:39A, 2:91A, 1:43F, 1:45F, .....	7:435F, 9:572F, 9:576F
methods for honors students .....	2:105A
outdoors .....	3:172A
profession .....	9:564F
use of computer in .....	8:499F
use of computer simulations in .....	6:362A
Team concept in health care .....	4:224A

Technical information about computers .....	8:499F
---------------------------------------------	--------

Technicians .....	4:228A
-------------------	--------

Techniques	
for studying .....	2:108A
in art and biology .....	3:160A

Technologists .....	4:228A
---------------------	--------

Temperature	
effect of on dissolved oxygen .....	6:346A
effects of on plants .....	8:480A

Terrariums .....	1:49F
------------------	-------

Testing for concept learning .....	8:506F
------------------------------------	--------

Textbook watchers .....	9:541A
-------------------------	--------

Textbooks, coverage of genetics in .....	5:280A, 5:285A
------------------------------------------	----------------

Theology and science .....	9:553A
----------------------------	--------

Theory, evolutionary .....	2:91A
----------------------------	-------

Thermal stratification of water .....	6:346A
---------------------------------------	--------

Threatened animals .....	9:569F
--------------------------	--------

Time-sharing in computer simulations .....	6:362A
--------------------------------------------	--------

Topics of laboratory inquiries .....	6:353A
--------------------------------------	--------

Tortoises, as threatened animals .....	9:569F
----------------------------------------	--------

Toxicity of selenium .....	7:406A
----------------------------	--------

Trends in secondary level biology .....	3:148A
-----------------------------------------	--------

Truth, objective .....	9:553A
------------------------	--------

Turbidity of water .....	6:346A
--------------------------	--------

Turnover in water .....	6:346A
-------------------------	--------

The index has three parts: subjects, titles, and authors. Alphabetizing is letter-by-letter, not word by word; for example "Educational" would precede "Education theory."

Underemployment .....3:186F  
Undergraduate courses .....9:564F  
Urban careers in the Park Service ..3:179A  
Uses of roots .....6:338A

Values  
clarification ..... 4:242A, 9:532A  
clarification activities .....2:85A  
clarification and science fiction .....5:275A  
genetics, and birth defects .....5:304A  
in science education .....3:146A  
Vandalism .....1:13A  
Variety in health professions .....4:217A  
Vegetation and trial erosion .....1:13A  
Vermeij, Geerat .....3:175A  
Vertebrate zoology .....3:166A  
Veterinary microbiology .....4:205A  
Virology .....4:205A  
Visual aids .....9:575F  
Visual cliff .....8:487A  
  
Watchers, textbook .....9:541A  
Watering of caged insects .....8:498F  
Weather and climate .....6:342A  
Web roles .....2:82A  
White, A.D. ....9:553A  
Wind action on oxygen in water ....6:346A  
Women  
images of .....6:337E  
in science, need for .....3:181A  
scientists as role models .....3:181A  
status of .....3:181A  
World food supplies .....6:342A  
Writing  
in the life sciences .....3:156A  
mechanics of .....3:156A  
skills, development of .....3:156A  
  
X-ray technologists .....4:228A  
Yam root, sex steroids from .....1:36A  
Zoologists, marine .....3:152A  
Zoospores, demonstration of .....8:484A

## Reviews

Authors and editors of the book (not the reviewers) are mentioned in the parentheses preceding the issue and page number.

Producers of audiovisuals reviewed in the journal are listed (rather than the reviewer).

The topics listed are those under which the reviewers appeared.

## Audiovisuals

Adventures in science, unit 1: the body (Scholastic Magazines, Inc.) 2:123; Animal migration (BFA Educational Media) 7:443; Audiovisual Advice on damaged sprocket holes, by Robert Goulding 7:454; Audiovisual Advice question on damaged sprocket holes, by Alan Ascher 7:453; Beginning concepts/science, unit I (Scholastic Magazines, Inc.) 8:508; The brown bear of McNeil River (Colour Images Unlimited, Inc.) 6:379; Careers related to science (Denoyer-Geppert Audio-Visuals 3:187; Cholesterol—eat your heart out (Sterling Educational Films) 2:131; Ee-yi-ee-yi-oh (Perennial Education, Inc.) 6:379; Environmental control (Mini Products of Pittsburgh, Educo Ltd. and North Star Partnership Ltd. Xerox Films, Distributor) 3:187; The ethical challenge: four biomedical case studies (Science and Mankind, Inc.) 2:132; A family talks about sex (Perennial Education, Inc.) 6:392; Freezing point (Agency for Instructional Television) 6:378; The future (Agency for Instructional Television) 6:378; Geometric forms in nature (Coronet Instructional Media) 1:53; Great scientists speak again: Charles Darwin (Extension Media) 2:123; Guided by the new (Extension Media Center, University of California) 2:132; Health and safety, unit 3—stay healthy (Scholastic) 3:191; Homeostasis: maintaining the stability of life (Science and Mankind Inc.) 9:577; Inhabitants of the planet earth: kingdom animalia (Ward's Natural Science Establishment, Inc.) 7:444; Jane Goodall: studies of the chimpanzee: introduction to chimpanzee behavior (National Geographic Society) 8:520; The living cell: DNA (Encyclopedia Britannica Educational Corporation) 8:508; The marine biologist (Encyclopedia Britannica Educational Corporation) 9:577; Marine science (Mini Productions of Pittsburgh, Educo Ltd. and North Star Partnership Ltd. Xerox Films, Distributor) 3:191; Marine sciences career kit (Xerox Education Publications) 3:187; The nature of life: cells, tissues and organs (Coronet Instructional Media) 1:63; On population (Walt Disney Educational Media Company) 7:444; The people problem (Current Affairs) 1:62; Series 1: The protists (Encyclopedia Britannica Educational Corporation) 1:53; Snacking—garbage in your gut? (Sterling Educational Films) 2:132; Three billion years of life: the drama of evolution (Science and Mankind, Inc.) 7:443; Toast (Earth Chronicles (c/o Bullfrog Films) 9:577; VD: old bugs, new problems (Alfred Higgins Productions, Inc.) 8:508; What good is a warbler? (Adam's Film Productions) 6:379; What is science? Biology. (Prentice Hall Media) 3:192; Who stole the quiet day? (Alfred Higgins Productions, Inc.) 9:577; Wild science: communicating with animals (Encyclopedia Britannica Educational Corporation) 8:508.

## Behavior

Animal behavior (Banks and Heisey) 6:381; Behavior and learning (Rachlin) 1:54; The behavior of communicating: an ethological

approach (Smith) 7:445; Biology as a social weapon (The Ann Arbor Science for the People Editorial Collective) 6:380; Primates of South Asia—ecology, sociobiology and behavior (Roonwall and Mohnot) 6:380; Sociobiology and behavior (Barash) 1:54.

## Botany

The biology of diatoms (Werner) 7:445; Genera of the eastern plants (Batson) 7:445; The greenhouse environment: the effects of environmental factors on the growth and development of flower drops (Masterlerz) 8:509; Introduction to the algae: structure and reproduction (Bond) 8:509; An introduction to the botany of the major crop plants (Berrie) 2:124; Plant diversification (Delevoryas) 2:124; The plant kingdom (Bold) 6:381.

## Cell and Molecular Biology

Biology of the cell: an evolutionary approach (DeWitt) 6:382; Biology of the cell: laboratory explanations (DeWitt and Brown) 6:381; Cells and energy (Goldsby) 6:382; Fundamentals of general, organic, and biological chemistry (Holum) 9:578; Introduction to biochemistry (Suttie) 6:382; Molecules, cells, and disease (van Lancker) 7:445; Theory and practice of histological techniques (Bancroft and Stevens) 7:446.

## Ecology and Environmental Biology

Biogeography: a study of plants in the ecosystem (Tivy) 8:509; Biohazard (Rogers) 6:383; Biological reclamation of solid wastes (Golueke) 2:125; Desert journal: a naturalist reflects on arid California (Cowles) 2:124; Dimensions of ecology (Richardson) 2:125; Ecological anthropology (Hardesty) 2:125; Ecological sanity (Claus and Bolander) 6:384; The economic growth debate (Pringle) 7:446; Ecosystem modeling in theory and practice: an introduction with case histories (Hall and Day) 7:447; Goodbye to the flush toilet (Stoner) 6:384; The limits of altruism: an ecologist's view of survival (Hardin) 8:509; Sensible sludge: a new look at a wasted natural resource (Goldstein) 6:383; Water pollution technology (Black) 6:383; Ways of wildlife (Horwitz) 6:382.

## Educational and Professional Concerns

Careers in the energy industry (Kraft) 4:251; Chemistry careers (Taylor) 4:252; College: reward and betrayal (Cottle) 4:251; Learning disabilities and handicaps (Berger) 8:510; Minorities in science: the challenge for change in biomedicine (Melnick and Hamilton, eds) 4:251; A theory of education (Novak) 7:447; Ecology careers (Dunbar) 4:251.

## Evolution

Evolution (Ost) 6:385; Evolution (Savage) 6:385; Evolution goes on every day (Patent) 1:56; Grzimek's encyclopedia of evolution (Grzimek, ed.) 1:55; Process of organic evolution (Stebbins) 1:55; The science of evolution (Stansfield) 1:55; The spirit of system: Lamarck and evolutionary biology (Burkhardt) 1:55; the spontaneous generation controversy from Descartes to Oparin (Farley) 7:447; The ultimate experiment: manmade evolution (Wade) 6:385; Understanding evolution (Volpe) 8:510.

## General Biology

Biology (Herreid) 6:386; Biology for a modern society (Levine) 1:57; Biology: its principles and implications (Hardin and Bajema) 8:511; The biology of people (Singer and Hilgrad) 8:511; Biology: the foundations (Wolfe with a chapter on human ecology by Miller) 1:58; Biology: the integrity of organisms (Kormondy, Sherman, Salisbury, Spratt, and McCain) 1:57; Book 10, nerves and muscles, basic biology course: unit 4: communication between cells (Tribe and Erant) 8:512; Explorations in basic biology (Gunstream and Babel) 8:511; Human life science (Fitch and Johnson) 1:57; Humane biology projects (Animal Welfare Institute) 7:448; Living systems (Ford and Monroe) 6:387; Oxford Carolina biology reader (Head) 6:386; Patterns of life (Scheer) 8:510; Topics-aids: Biology, a catalog of instructional media for college biology (Egan) 6:386; Worlds within worlds (Emmel, Jordan, Goodman, Goldstein, and Simon) 7:449.

## Genetics

The genetic perspective (Baer) 2:126; Heredity (Parker, Reynolds and Reynolds) 6:387; Human genetics (Rothwell) 6:387; An introduction to genetics and evolution (Mariner) 8:512; Principles of genetics (Herskowitz) 2:126.

## Health

A barefoot doctor's manual: the American translation of the official Chinese paramedical manual (translated by the Fogarty International Center for Advanced Studies in Health Sciences) 7:450; Ethics in medicine: historical perspectives and contemporary concerns (Reiser, Dick and Curran) 7:449; Fighting infection: conquests of the twentieth century (Dowling) 7:451; Food first: beyond the myth of scarcity (Lappe and Collins) 2:127; How to grow, preserve, and store all the food you need (Rice) 2:128; Human biology: an exhibition of ourselves (British Museum (Natural History)) 2:127; Medical heroes and heretics (Martin) 7:452; Triumph over disease by fasting and natural diet (Goldstein) 7:451; Vitamins (Nourse) 1:58.

## Microbiology

Introductory laboratory manual of microbiology for health related professions (the Faculty, Department of Microbiology, Brigham Young University) 2:129; Microbiology (Carpenter) 2:128.

## Physiology and Anatomy

Anatomy and physiology workbook and laboratory manual (Drakontides, Miller, and Leavell) 2:130; Animal physiology: principles and adaptations (Gordon, in collaboration with Bartholomew, Grinnell, Jorgensen and White) 8:513; Essential human anatomy and physiology (Landau) 8:512; Essential human anatomy and physiology. Laboratory guide (Artner) 8:513; Human anatomy and physiology: a complete self-study program (Muzio and Pilchman) 9:578; Kimber-Gray-Stackpole's anatomy and physiology (Miller, Drakontides, and Leavell) 2:129; A laboratory manual: anatomy and physiology (Crouch and Carr) 1:59; A laboratory manual of mammalian anatomy and physiology (Grollman) 9:579; The structure of human memory (Cofer) 6:388; A study of the cat: with reference to human beings (Walker) 6:388; The wonderful world within you: your inner nutritional environment (Williams) 8:512.

## Related Fields

Calculus for the life sciences (De Sapio) 9:850; Frontiers of science (The National Science Foundation) 2:131; Mathematical and biological interrelations (Dudley) 9:589; McGraw-Hill encyclopedia of food, agriculture and nutrition (Lapedes) 8:514; The Rand McNally atlas of the oceans (Rand McNally and Company) 9:580; Statistics: a biomedical introduction (Brown and Hollander) 8:514; Taking things apart and putting things together (Woodburn) 6:389.

## Social and Ethical Issues

Biosocial genetics, human heredity and social issues (Stine) 8:515; The human brain (Wittrock, Beatty, Bogen, Gazzaniga, Jerison, Krashen, Nebes, Teyler) 8:518; Knowledge, value and belief, volume 2, the foundations of ethics and its relationship to science (Engelhardt and Callahan) 8:516; The race bomb: skin color, prejudice, and intelligence (Ehrlich and Feldman) 8:517; Who should play God? The artificial creation of life and what it means for the future of the human race (Howard and Rifkin) 8:515.

## Zoology

The alligator: King of the wilderness (Hartley and Hartley) 8:518; Animal facts and feats (Wood) 6:389; The biology of developing systems (Grant) 9:582; The biology of insects (Friedlander) 6:390; Biology of insects (Horn) 6:390; Fundamentals of entomology (Elzinga) 9:583; General zoology, laboratory guide, complete version (Woodsdalek and Lytle) 1:62; General zoology: Laboratory guide, short version (Woodsdalek and Lytle) 1:61; Ichthyology (Lagler, Bardach, Miller and Passino) 6:391; Principles of zoology (Johnson, Delaney, Williams and Cole) 6:391; Race and races (Goldsby) 9:582; Snakes: a natural history (Parker, revised and enlarged by Grandison) 8:517; The vertebrate body (Romer and Parsons) 1:59; Vertebrate embryology: a laboratory manual (Eakin) 9:583; Watching birds: an introduction to ornithology (Pasquier) 1:60; The world you never see—insect life (Rowland-Enwhistle) 1:61.

The index has three parts: subjects, titles, and authors. Alphabetizing is letter-by-letter, not word by word; for example "Educational" would precede "Education theory."

## Titles

## Editorials

Biology, society, and ethics, by E. Peter Volpe ..... 8:469E  
Genetic engineering and genetics education, by Thomas R. Mertens ..... 2:77E  
Humanizing language, by Patricia A. Masters ..... 5:267E  
Keep your options open, by Joan G. Creager ..... 3:145E  
Persistent problems, by Ingrith D. Olsen ..... 9:527E  
Respect: what you give is what you get, by Joan G. Creager ..... 1:9E  
Warning, schools spread sexism! by Jack L. Carter ..... 6:337E  
We cannot be apolitical, by Joan G. Creager ..... 7:405E

## Articles

Achievement in biology: an introduction to handicapped biologists, by Cheryle A. Davis and Martha Ross Redden .... 3:175  
Adolescence obligations and educational policy, by Stephen P. Heyneman .... 7:423  
Agricultural Roots in the biological sciences, by Charles W. Laughlin, Laura L. Mang, and Robert G. LaPrad ..... 4:231  
Algal biochemical tricks and classification, by Jeffrey W. Hunt ..... 9:528  
An analysis of laboratory inquiries in the BSCS Yellow Version, by Pinchas Tamir and Vincent N. Lunetta ..... 6:353



Animal behavior investigations for high school students, by Warren Marchioni . . . 8:487

A-T instruction: a perspective and a prediction, by Jane Butler Kahle . . . 1:17

Bioethics: A rationale and a model, by Charles R. Barman and John J. Rusch . . . 2:85

Biological studies in art, by Theodora Karan . . . 3:160

Biology student today—health professional tomorrow, by Thomas D. Hatch and Joseph Kadish . . . 4:217

Can scientists help the animal kingdom?, by the Federation of American Scientists . . . 4:236

Career education in biology, by Garland E. Johnson . . . 4:242

Careers in medical genetics, by Dolores A. Lamb and Margery W. Shaw . . . 4:212

Careers in microbiology...horizons unlimited, by Millicent C. Goldschmidt and Dixie Whitt . . . 4:205

Careers in the National Park Service, by James Carroll . . . 3:179

College biology teaching, by Donald S. Dean . . . 3:150

The common history and popular uses of roots, by Thomas L. Rost and Maureen L. Sandler . . . 6:338

Communicating biology through continuing education, by Jack L. Carter . . . 2:78

Computer simulations as a teaching tool in community colleges, by Floyd M. Grimm III . . . 6:362

Demonstration of zoospore activities by fungi, by States M. McCarter . . . 8:484

Demythologizing White's warfare of science with theology, by Edward E. Daub . . . 9:553

Developing positive student attitude toward the environment, by H. Dean Jernigan and Linda Wiersch . . . 1:30

Discrepancies in student evaluation of university teaching quality, by Richard J. Stevens . . . 9:534

Does creationism belong in the biology curriculum?, by Gerald Skoog . . . 1:23

The education of citizens: human genetics, by Charles R. Scriver, Dorothy Ellen Scriver, Caroline L. Clow, and Mindy Schok . . . 5:280

Entomologists at work, by Edward H. Smith . . . 4:237

Evolution, creation, and biology teaching, by Richard D. Alexander . . . 2:91

Exploiting the lichen liaison, by R. Gary Raham . . . 8:470

Factors to consider in choosing a health profession, by William Kastrinos . . . 4:224

Feeding a hungry world, by Daniel Aldrich . . . 6:342

Formax preserved birds, by Philip Sheridan . . . 1:21

Hormone action: oxytocin-included *in vitro* milk release, by Newell A. Younggren and Mac E. Hadley . . . 7:410

Human genetics, birth defects, and values: a review of audiovisuals, by Jack L. Carter, Ronald L. Capen, and Werner G. Heim . . . 5:304

Human genetics education: results of BSCS needs assessment surveys, by Faith M. Hickman, Manert H. Kennedy and Joseph D. McInerney . . . 5:285

Human impact on the inner gorge of the Grand Canyon, by George Huppert and Gail Ludwig . . . 1:13

Individualization and student freedom to choose, by Robert E. Coombs . . . 6:365

An interdisciplinary study of nesting birds, by Stephen J. Zipko . . . 9:546

Investigating factors that affect the dissolved oxygen concentration in water, by Paul G. Jantzen . . . 6:346

Jerry P. Lightner resigns as executive director, by Joan G. Creager, William V. Mayer and Leland S. McClung . . . 9:561

Jobs for life scientists in larger museums, by Gilbert Wright . . . 3:166

John Alexander Moore elected honorary member of NABT, by Garland E. Johnson . . . 8:491

Learning theory applied to biology education, by Mildred R. Green . . . 5:268

Living space: land use or misuse?, by Rice Odell . . . 2:111

Manual manipulation to teach plant tissues, by Sylvia S. Mader . . . 1:39

Marine biology as a career, by Arthur G. Humes . . . 3:152

"Medical awareness month" at a junior high school, by Stephen J. Zipko . . . 8:492

The Mongolian gerbil: natural history, care and maintenance, by Marjanna F. Fisher and Gerald C. Llewellyn . . . 9:559

Mycorrhiza: a common form of mutualism, by Richard J. Medve . . . 7:414

The origin and nature of race: a values clarification lesson, by Paul G. Jantzen . . . 9:532

Photoperiodic treatments in morning glory: a laboratory investigation, by Gerry M. Madrazo, Jr. and Paul B. Hounshell . . . 8:480

The potential role of examinations in innovative curricula, by Pinchas Tamir . . . 7:426

The science fair: a critique and some suggestions, by Wendell F. McBurney . . . 7:419

Selenium: poison and preventive, by Sister Marmion Howe . . . 7:406

Skeletal muscle as a peripheral modifier of behavior, by Robert R. Jenkins . . . 6:358

So you want to teach outdoors, by Stanley L. Cummings . . . 3:172

Study techniques—comparing their effectiveness, by Linda Annis and J. Kent Davis . . . 2:108

TAPE TUTOR-assisted instruction, by Emanuel C. Hertzler . . . 5:272

Teaching biology at the secondary level, by James L. Mariner . . . 3:148

Teaching biology with science fiction, by Gary H. Marks . . . 5:275

Technology and technicians in the life sciences, by Melissa Wheeler . . . 4:228

They should stop shooting shoemakers, too shouldn't they?, by Glen E. Peterson . . . 1:10

Two views on the textbook watchers, by Stanley L. Weinberg . . . 9:541

Using standardized exams to assess teacher effectiveness, by Robert J. Kosinski . . . 1:27

A view from the top: elementary science and the three r's, by Martha A. Carter . . . 3:146

Wanted: more women in science, by Mary Jo Boehm Strauss . . . 3:181

Web roles: a simulation of biotic adaptations and relationships, by Jim Connolly . . . 2:82

What about the honors student?, by John Pope . . . 2:105

Writing in the life sciences, by Stanley L. Weinberg . . . 3:156

The yam and the pill, by Alwynelle S. Ahl . . . 1:36

The index has three parts: subjects, titles, and authors. Alphabetizing is letter-by-letter, not word by word; for example "Educational" would precede "Education theory."

## Features

*Amoeba Proteus*: a technique for long-term storage and recovery, by Hiroshi Ueda and Miasayuso Ogawa . . . 9:573

Back-handed teaching in microscopy, by W. St. Amand . . . 9:576

Back to basics and biology, by David H. Ost . . . 2:117

Build your own incubator, by John E. Lennox and Lloyd M. English . . . 6:375

A cage for studying cockroaches and other insects, by Gerald C. Llewellyn, Richard R. Mills, and Peter Sherertz . . . 8:498

Career information from AIBS adherent societies, by the American Institute of Biological Sciences . . . 4:247

A classroom project on threatened animals, by Robert Patterson . . . 9:570

A club model that works, by Harold (Sandy) Wiper . . . 7:439

Contemporary skull cleaning, by David M. Hoppe . . . 8:502

CPR instruction in a human anatomy class, by Lewis M. Lutton . . . 7:437

Demonstrating hemostasis with a student designed prothrombin time test, by Richard Wiley Fardy . . . 2:120

Determining the cellular concentration and osmotic potential of plant tissues, by Ric Garcia and James C. McFeeley . . . 2:119

An exercise using lichens as indicators of air quality, by Jeffrey Gottfried . . . 1:47

Finding out more about careers in biology, by Henry J. Bindel, Jr. . . . 4:248

The fungibility of baccalaureate biologists, by George A. Gries . . . 3:186

Historical goofies, by Paul R. Gastonguay . . . 9:563

An individualized approach to BSCS biology, by Gloria B. Speroni . . . 5:318

Integrating sex education into the K-12 curriculum, by Derek L. Burleson . . . 5:313

Isosmotic and isotonic are not the same, by Sheldon F. Gottlieb . . . 5:321

A machine which they worship for its own sake, by Manert H. Kennedy . . . 5:316

Mendel, by Pike Messenger . . . 6:371

Modeling limits to cell size, by James R. Deaver . . . 8:502

A new place for a final examination, by Harold (Sandy) Wiper . . . 5:322

The nonmajor: a challenge and a responsibility, by Donald S. Dean . . . 9:564

"Original" and other sins, by Robert F. Miller . . . 8:505

Paul Klinge (1918-1978)...in memoriam, by Manert H. Kennedy, Jerry P. Lightner, Wendell F. McBurney, Phillip R. Fordyce, and W.M. Laetsch . . . 7:429

Poetry in biology, by Allen H. Bryant . . . 7:440

Procedure for the quantitative assay of enzymatic activity, by Charles L. Vigue . . . 7:438

Reaction and response, by George C. Shackelford . . . 5:315

Recycling plastic milk jugs, by Jan L. Nagalski . . . 7:441

A response and a proposal, by Norman D. Anderson .....	5:314
The rhizosphere, by Arthur F. Feiro. . .	1:50
Sex education: a personal problem, by William L. Smallwood .....	5:312
Sex education in the curriculum, by Ronald D. Simpson .....	5:309
Sex education in the curriculum: opposed, by James A. McAuley .....	5:311
Sexual ignorance is not bliss, by William V. Mayer .....	5:310
A simple, inexpensive restraining device for small animals, by Peter Nash and Cathy Mahan .....	9:569
Simplifying mitosis and meiosis, by Paul A. Adams .....	1:45
Teaching by inquiry, by Donald W. Humphreys .....	7:435
Teaching by inquiry, by Donald W. Humphreys .....	7:435
Teaching depth of field concept, by Frederick C. Ross and Rodney J. Smith .....	1:43
Teaching ecological concepts: an experimental lotic community, by Donald J. Schmidt .....	9:572
Teaching the relationship of mutation and protein structure: a computer demonstration, by Henry M. Butzel and John F. Boyer .....	8:499
Terrariums: heightening student interest in botany, by Terri K. Clark .....	1:49
Using radiological films as visual aids, by Richard Wiley Fardy .....	9:575
Why secondary science teachers are losing their students and their jobs, by Henry J. Bindel, Jr. ....	2:115

## Letters

Careers issue, by Stanley L. Weinberg	5:327
E.B. White and "Humanizing Language," by Arthur P. Cooley .....	9:567
A glimpse into biology teaching in India, by Arthur D. Meyer .....	6:373
"Humanizing language:" more reactions, by Henry J. Bindel, Jr. ....	9:567
"Humanizing language:" more reactions, by Philip Goldstein .....	9:567
"Humanizing language:" some reactions, by Edwin L. Bell .....	6:373
"Humanizing language: some reactions by Jane Butler Kahle .....	7:442
"Humanizing language: some reactions, by Joseph M. Oxenhorn .....	7:442
"Humanizing language:" some reactions, by Wayne Stroessner .....	6:372
Isosmotic and isotonic: clarifying the differences, by Lewis M. Lutton and Glen G. Wurst .....	7:442
NABT Convention sites, by Susan Offner .....	6:372
NABT-ERA, by Helen A. Gibbar .....	9:566
NABT-ERA, by Majorie P. Behringer .....	9:566
Sciomyzid flies: another view, by Clifford O. Berg .....	5:317
Suggestions: needed, by Celine R. Ritzo .....	6:372
Teacher motivation, by Dennis Holley .....	6:374
Thoughts on basics and commitment, by Anne Fraulo .....	9:566
Why compulsory education?, by Arthur E. Prosser, Jr. ....	5:317

## Reviews

Adventures in science, unit 1: the body (Scholastic Magazines, Inc.) .....	2:123
The alligator: king of the wilderness (Hartley and Hartley) .....	8:518
Anatomy and physiology workbook and laboratory manual (Drakontides, Miller, and Leavell) .....	2:130
Animal behavior (Banks and Heisey) .....	6:381
Animal facts and feats (Wood) .....	6:389
Animal migration (BFA Educational Media) .....	7:443
Animal physiology: principles and adaptations (Gordon, in collaboration with Bartholomew, Grinnell, Jorgensen and White) .....	8:513
A barefoot doctor's manual: the American translation of the official Chinese paramedical manual (translated by the Fogarty International Center for Advanced Study in the Health Sciences) .....	7:450
Beginning concepts/science, unit I (Scholastic Magazines, Inc.) .....	8:508
Behavior and learning (Rachlin) .....	1:54
The behavior of communicating: an ethological approach (Smith) .....	7:445
Biogeography: a study of plants in the ecosphere (Tivy) .....	8:509
Biohazard (Rogers) .....	6:383
Biological reclamation of solid wastes (Golueke) .....	2:125
Biology as a social weapon (The Ann Arbor Science for the People Editorial Collective) .....	6:380
Biology (Herreid) .....	6:386
Biology of the cell: an evolutionary approach (DeWitt) .....	6:382
Biology of the cell: laboratory explanations (DeWitt and Brown) .....	6:381
The biology of diatoms (Werner) .....	7:445
Biology for a modern society (Levine) .....	1:57
Biology: its principles and implications (Hardin and Bajema) .....	8:511
The biology of developing systems (Grant) .....	9:582
The biology of insects (Friedlander) .....	6:390
Biology of insects (Horn) .....	6:390
The biology of people (Singer and Hilgard) .....	8:511
Biology: the foundation (Wolfe with a chapter on human ecology by Miller) .....	1:48
Biology: the integrity of organisms (Kormondy, Sherman, Salisbury, Spratt, and McCain) .....	1:57
Biosocial genetics, human heredity and social issues (Stine) .....	8:515
Book 10, nerves and muscles, basic biology course: unit 4: communication between cells (Tribe and Eraut) .....	8:512
The brown bears of McNeil River (Colour Images Unlimited, Inc.) .....	6:379
Calculus for the life sciences (De Sapio) .....	9:580
Careers in the energy industry (Kraft) .....	4:251
Careers related to science (Denoyer-Geppert Audio-Visuals) .....	3:187
Cells and energy (Goldsby) .....	6:382
Chemistry careers (Taylor) .....	4:252
Cholesterol—eat your heart out (Sterling Educational Films) .....	2:131
College: reward and betrayal (Cottle) .....	4:251
Desert journal: a naturalist reflects on arid California (Cowles) .....	2:124

Dimensions of ecology (Richardson) .....	2:125
Doomsday: the science of catastrophe (Warshofsky) .....	7:447
Ecological anthropology (Hardesty) .....	2:125
Ecological sanity (Claus and Bolander) .....	6:384
The economic growth debate (Pringle) .....	7:446
Ecosystem modeling in theory and practice: an introduction with case histories (Hall and Day) .....	7:447
Ee-yi-ee-yi-oh (Perennial Education, Inc.) .....	6:379
Environmental control (Mini Products of Pittsburgh, Educu Ltd. and North Star Partnership Ltd. Xerox Films, Distributor) .....	3:187
Essential human anatomy and physiology (Landau) .....	8:512
Essential human anatomy and physiology. Laboratory guide (Arthur) .....	8:513
The ethical challenge: four biomedical case studies (Science and Mankind, Inc.) .....	2:132
Ethics in medicine: historical perspectives and contemporary concerns (Reiser, Dick and Curran) .....	7:449
Evolution (Ost) .....	6:385
Evolution (Savage) .....	6:385
Evolution goes on every day (Patent) .....	1:56
Explorations in basic biology (Gunstream and Babel) .....	8:511
A family talks about sex (Perennial Education, Inc.) .....	6:392
Fighting infection: conquests of the twentieth century (Dowling) .....	7:451
Food first: beyond the myth of scarcity (Lappe and Collins) .....	2:127
Freezing point (Agency for Instructional Television) .....	8:519
Frontiers of science (The National Science Foundation) .....	2:131
Fundamentals of entomology (Elzinga) .....	9:583
Fundamentals of general, organic, and biological chemistry (Holum) .....	9:578
The Future (Agency for Instructional Television) .....	6:378
Genera of the eastern plants (Batson) .....	7:445
General zoology, laboratory guide, complete version (Woodsdalek and Lytle) .....	1:62
General zoology: laboratory guide, short version (Woodsdalek and Lytle) .....	1:61
The genetic perspective (Baer) .....	2:126
Geometric forms in nature (Coronet Instructional Media) .....	1:53
Goodbye to the flush toilet (Stoner) .....	6:384
Great scientists speak again: Charles Darwin (Extension Media) .....	2:123
The greenhouse environment: the effects of environmental factors on the growth and development of flower crops (Masterlerz) .....	8:509
Grzimek's encyclopedia of evolution (Grzimek, ed.) .....	1:55
Guided by the nene (Extension Media Center, University of California) .....	2:132
Health and safety, units 3—stay healthy (Scholastic) .....	3:191
Heredity (Parker, Reynolds and Reynolds) .....	6:387

The index has three parts: subject, titles, and authors. Alphabetizing is letter-by-letter, not word by word; for example "Educational" would precede "Educational theory."



Homeostasis: maintaining the stability of life (Science and Mankind, Inc.) ..... 9:577

How to grow, preserve, and store all the food you need (Rice) ..... 2:128

Human anatomy and physiology: a complete self-study program (Muzio and Pilchman) ..... 9:578

Human biology: and exhibition of ourselves (British Museum (Natural History)) ..... 2:127

The human brain (Wittrock, Beatty, Bogen, Gazzaniga, Jerison, Krashen, Nebes, Teyler) ..... 8:518

Human genetics (Rothwell) ..... 6:387

Human life science (Fitch and Johnson) ..... 1:57

Humane biology projects (Animal Welfare Institute) ..... 7:448

Ichthyology (Lagler, Bardach, Miller and Passino) ..... 6:391

Inhabitants of the planet earth: kingdom animalia (Ward's Natural Science Establishment, Inc.) ..... 7:444

Introduction to biochemistry (Suttie) ..... 6:382

An introduction to genetics and evolution (Mariner) ..... 8:512

Introduction to the algae: structure and reproduction (Bond) ..... 8:509

An introduction to the botany of the major crop plants (Berrie) ..... 2:124

Introductory laboratory manual of microbiology for health related professions (the Faculty, Department of Microbiology, Brigham Young University) ..... 2:129

Jan Goodall: studies of the chimpanzee: introduction to chimpanzee behavior (National Geographic Society) ..... 8:520

Kimber—Gray—Stackpole's anatomy and physiology (Miller, Drakontides, and Leavell) ..... 2:129

Knowledge, value, and belief, volume 2, the foundations of ethics and its relationship to science (Engelhardt and Callahan) ..... 8:516

A laboratory manual: anatomy and physiology (Crouch and Carr) ..... 1:59

A laboratory manual of mammalian anatomy and physiology (Grollman) ..... 9:579

Learning disabilities and handicaps (Berger) ..... 8:510

The limits of altruism: an ecologist's view of survival (Hardin) ..... 8:509

The living cell: DNA (Encyclopedia Britannica Educational Corporation) ..... 8:508

Living systems (Ford and Monroe) ..... 6:387

The marine biologist (Encyclopedia Britannica Educational Corporation) ..... 9:577

Marine science (Mini Productions of Pittsburgh, Educo Ltd. and North Partnership Ltd. Xerox Films, Distributor) ..... 3:191

Marine Science career kit (Xerox Education Publications) ..... 3:187

Mathematical and biological interrelations (Dudley) ..... 9:589R

McGraw-Hill encyclopedia of food, agriculture and nutrition (Lapedes) ..... 8:514

Medical hereos and heretics (Martin) ..... 7:452

Microbiology (Carpenter) ..... 2:128

Minorities in science: the challenge for change in biomedicine (Melnick and Hamilton, eds) ..... 4:

Molecules, cells, and disease (van Lancker) ..... 7:445

The nature of life: cells, tissues and organs (Coronet Instructional Media) ..... 1:63

On population (Walt Disney Educational Media Company) ..... 7:444

The index has three parts: subjects, titles, and authors. Alphabetizing is letter-by-letter, not word by word; for example "Educational" would precede "Education theory."

Oxford/Carolina biology reader (Head) 6:386

Patterns of life (Scheer) ..... 8:510

The people problem (Current Affairs) ..... 1:62

Plant diversification (Delevoryas) ..... 2:124

The plant kingdom (Bold) ..... 6:381

Primates of South Asia: ecology, sociobiology and behavior (Roonwall and Mohnot) ..... 6:380

Principles of genetics (Herskowitz) ..... 2:126

Principles of zoology (Johnson, Delaney, Williams and Cole) ..... 6:391

Process of organic evolution (Stebbins) ..... 1:55

Race and races (Goldsbey) ..... 9:582R

The race bomb: skin color, prejudice, and intelligence (Ehrlich and Feldman) ..... 8:517

The Rand McNally atlas of the oceans (Rand McNally and Comapny) ..... 9:580

The science of evolution (Stansfield) ..... 1:55

Sensible sludge: a new look at a wasted natural resource (Goldstein) ..... 6:383

Series 1: The protists (Encyclopedia Britannica Educational Corporation) ..... 1:53 (AV)

Snacking—garbage in your gut? (Sterling Educational Films) ..... 2:132

Snakes: A natural history (Parker, revised and enlarged by Grandison) ..... 8:517

Sociobiology and behavior (Barash) ..... 1:54

The spirit of systems: lamark and evolutionary biology (Burkhardt) ..... 1:55

The spontaneous generation controversy from Descartes to Oparin (Farley) ..... 7:447

Statistics: a biomedical introduction (Brown and Hollander) ..... 8:514

The structure of human memory (Cofer) ..... 6:388

A study of the cat: with reference to human beings (Walker) ..... 6:388

Taking things apart and putting things together (Woodburn) ..... 6:389

Theory and practice of histological techniques (Bancroft and Stevens) ..... 7:446

A theory of education (Novak) ..... 7:447

Three billion years of life: the drama of evolution (Science and Mankind, Inc.) ..... 7:443

Toast (Earth Chronicles (c/o Bullfrog Films) ..... 9:577

Topics-aids: Biology, a catalog of instructional media for college biology (Egan) ..... 6:386

Triumph over disease by fasting and natural diet (Goldstein) ..... 7:451

The ultimate experiment: manmade evolution ..... 6:385

Understanding evolution (Volpe) ..... 8:510

VD: old bugs, new problems (Alfred Higgins Productions, Inc.) ..... 8:508

The vertebrate body (Romer and Parsons) ..... 1:59

Vertebrate embryology: a laboratory manual (Eakin) ..... 9:583

Vitamins (Nourse) ..... 1:58

Watching birds: an introduction to ornithology (Pasquier) ..... 1:60

Water pollution technology (Black) ..... 6:383

Ways of Wildlife (Horwitz) ..... 6:382

What good is a warbler? (Adam's Film Productions) ..... 6:379

What is science? Biology (Prentice-Hall Media) ..... 3:192

Who should play God? The artificial creation of life and what it means for the future of the human race (Howard and Rifkin) ..... 8:515

Who stole the quiet day? (Alfred Higgins Productions, Inc.) ..... 9:577

Wild science: communicating with animals (Encyclopedia Britannica Educational Corporation) ..... 8:508

The wonderful world within you: your inner nutritional environment (Williams) ..... 8:512

The world you never see—insect life (Rowland-Entwhistle) ..... 1:61

Worlds within worlds (Emmel, Jordan, Goodman, Goldstein, and Simon) ..... 7:449

Zoology careers (Dunbar) ..... 4:251

## Authors

Abraham, Norman ..... 6:387R;8:509R

Adams, Paul A. .... 1:45F

Adkins, Dean A. .... 8:511R

Ahl, Alwynne S. .... 1:36A

Aldrich, Daniel ..... 6:342A

Alexander, Richard D. .... 2:91A

American Institute of Biological Sciences ..... 4:247F

Anderson, Nancy A. .... 1:62R;6:389R

Anderson, Neal W. .... 7:445R

Anderson, Norman D. .... 5:314F

Annis, Linda ..... 2:108A

Ascher, Alan ..... 7:453R

Barman, Charles R. .... 2:85A

Barnes, William G. .... 7:451R

Bell, Edwin L. .... 6:373L

Bennett, W.G. .... 6:390R

Berg, Clifford O. .... 5:326L

Bindel, Henry J., Jr. .... 2:115F;4:248F;6:374L

Botscheller, John V. .... 4:252R

Bowen, William R. .... 7:445R

Boyer, John F. .... 7:449F

Brenneman, William L. .... 6:387R

Brett, William J. .... 9:577R;9:583R

Bryant, Allen H. .... 7:440F

Burleson, Derek L. .... 5:313F

Butterfield, Charles H. .... 8:511R

Butzel, Henry M. .... 8:499F

Capen, Ronald L. .... 5:304A

Carroll, James ..... 3:179A

Carter, Jack L. .... 2:78A;5:304A;6:337E

Carter, Martha A. .... 3:146A

Cathey, Mary M. .... 6:379R

Chang-Van Horn, Dorothy ..... 3:191R;3:192R

Charba, Sheril K. .... 7:449R

Chase, William R., Jr. .... 1:53R

Chin, Arlene H. .... 9:577R

Chu, Janet Pattee ..... 7:444R

Clark, Terri K. .... 1:49F

Cleaver, Thomas J. .... 8:515R

Clow, Caroline L. .... 5:280A

Connally, Jim ..... 2:82A

Coombs, Robert E. .... 6:365A

Cooper, Jean E. .... 6:387R

Coulter, John C. .... 2:123R;6:386R

Creager, Joan G. .... 1:9E;3:145E;6:373L;7:405E;9:561L

Cummings, Stanley L. .... 3:172A

Daub, Edward E. .... 9:553A

Davis, Adrian C. .... 6:391R

Davis, Cheryl A. .... 3:175A

Davis, J. Kent ..... 2:108A

Dawson, Rosette D. .... 2:125R

Dean, Donald S. .... 3:150A;9:564F

Deaver, James R. .... 8:502F  
 Ebeling, Thomas H. .... 6:383R;6:384R  
 Edwards, Arthur W. .... 3:191R  
 Edwards, J. Gordon, .... 6:385R  
 Ehrlé, Elwood B. .... 1:55R;6:385R  
 English, Lloyd M. .... 6:375F  
 Erdahl, Emma G. .... 6:380R;7:449R;8:508R  
 Evans, Thomas P. .... 6:386R  
 Fardy, Richard Wiley .... 2:120F;9:575F  
 Farraday, Clayton L. .... 2:124R;8:512R  
 Federation of American Scientists .... 4:236A  
 Feirb, Arthur D. .... 1:50F  
 Ferner, John W. .... 1:58R  
 Ferrell, Barbara .... 2:126R  
 Finstad, Carl .... 1:57R  
 Fisher, Maryann F. .... 9:559A  
 Fishleder, Jack .... 7:452R  
 Flint, Thelma J. .... 1:55R  
 Fordyce, Phillip R. .... 7:429A  
 Fortman, Jon R. .... 1:56R  
 Freeman, John A. .... 1:59R  
 Frohbieter-Mueller, Jo .... 2:128R;8:512R  
 Futrell, James T. .... 2:132R  
 Gastonguay, Paul R. .... 1:54R;9:563A  
 Gallant, Roy A. .... 8:518R  
 Garcia, Ric. .... 2:119F  
 Gardner, Kenneth L. .... 8:508R  
 Garner, James M. .... 6:389R  
 Geller, Lotte R. .... 8:516R  
 Glauser, Charlotte .... 8:514R  
 Goldschmidt, Millicent C. .... 4:205A  
 Goldstein, Philip .... 1:61R  
 Golmon, Melton E. .... 1:54R;2:129R  
 Goldman, Harvey .... 9:580R  
 Gottfried, Jeffry .... 1:47F  
 Gottlieb, Sheldon F. .... 5:321F;7:456L  
 Goulding, Robert .... 6:378R;7:453R  
 Graubman, Charlotte G. .... 6:380R  
 Graus, Richard R. .... 9:580R  
 Green, Mildred R. .... 5:268A  
 Gries, George A. .... 3:186F  
 Grimm, Floyd M., III .... 6:362A  
 Grosklags, James H. .... 8:510R  
 Hadley, Mac E. .... 7:410A  
 Hadow, Harlo H. .... 6:379R  
 Hatch, Thomas D. .... 4:217A  
 Hayes, Alice Bourke .... 9:578R  
 Heim, Werner G. .... 5:304A;8:514R;9:581R  
 Hein, Hilde .... 7:447R  
 Henley, Dorothy D. .... 1:57R  
 Henzlik, Raymond E. .... 6:391R  
 Hepler, Joseph Q. .... 7:451R  
 Hertzler, Emanuel C. .... 5:272A  
 Heyneman, Stephen P. .... 7:423A  
 Hickman, Faith M. .... 5:285A  
 Hofstrom, Jerry .... 8:520R  
 Holley, Dennis .... 6:374L  
 Hoppe, David M. .... 8:502F  
 Hoskins, Betty B. .... 6:382R  
 Hounshell, Paul B. .... 8:480A  
 Howe, Sister Marmion .... 7:406A  
 Hughes, Stuart W. .... 6:384R  
 Humes, Arthur G. .... 3:152A  
 Humphreys, Donald W. .... 7:435F;8:506F  
 Hunt, Jeffrey W. .... 9:528A  
 Hunter, William C., Jr. .... 2:127R  
 Huppert, George .... 1:13A  
 Isaacson, Allen .... 8:513R  
 Jackson, Crawford G., Jr. .... 8:517R  
 Jantzen, Paul G. .... 6:346A;8:509R;9:532A  
 Jenkins, Robert R. .... 6:388R;6:358A  
 Jernigan, H. Dean .... 1:30A

Johnson, Garland E. .... 4:242A;6:378R;8:491A  
 Jungck, John R. .... 6:385R  
 Kadish, Joseph .... 4:217A  
 Kahle, Jane Butler .... 1:17A;7:442L  
 Karan, Theodora .... 3:160A  
 Kastrinos, William .... 4:224A  
 Keller, Dolores Elaine .... 2:129R  
 Kennedy, Manert H. .... 5:285A;5:316F;7:429A  
 Kinraide, Thomas B. .... 6:381R  
 Kolb, Haven .... 2:125R  
 Kormondy, Edward J. .... 2:131R  
 Kosinski, Robert J. .... 1:27A  
 Kruse, Richard H. .... 6:382R  
 Laetsch, W.M. .... 7:429A  
 Lamb, Dolores A. .... 4:212A  
 Lanham, Uri .... 1:57R  
 LaPrad, Robert G. .... 4:231A  
 Laube, Virginia .... 1:62R  
 Laughlin, Charles W. .... 4:231A  
 Lawson, Anton E. .... 6:386R  
 Lawson, Fred A. .... 1:61R;9:583R  
 Levin, Richard A. .... 8:515R  
 Levin, Sarah C. .... 2:124R  
 Lener, Walter .... 2:127R  
 Lien, Violetta .... 8:519R  
 Lightner, Jerry P. .... 7:429A  
 Llewellyn, Gerald C. .... 1:59R;8:498F  
 Logsdon, Donald F., Jr. .... 1:60R;2:132R  
 Ludwig, Gail .... 1:13A  
 Lunetta, Vincent N. .... 6:353A  
 Lusk, Jane W. .... 2:130R;8:512R  
 Lutton, Lewis M. .... 7:437F;7:442L  
 Mader, Sylvia S. .... 1:39A  
 Madrazo, Gerry M., Jr. .... 8:480A  
 Mahan, Cathy .... 9:569F  
 Mallon, Elizabeth J. .... 5:326L;8:509R  
 Mang, Laura L. .... 4:231A  
 Mansfield, Donald H. .... 8:512R;8:513R  
 Marchioni, Warren .... 8:487A  
 Mariner, Anne .... 2:128R  
 Mariner, James L. .... 3:148A  
 Marks, Gary H. .... 5:275A  
 Masters, Patricia A. .... 5:267E  
 Mathis, Philip M. .... 2:132R  
 Mayer, William V. .... 1:55R;5:310F;8:510R  
 Mazur, Jane E. .... 7:446R;9:577R  
 McAuley, James A. .... 5:311F  
 McBurney, Wendell F. .... 7:419A;7:429A  
 McCarter, States M. .... 8:484A  
 McClung, Leland S. .... 9:561A  
 McFeeley, James C. .... 2:119F  
 McInerney, Joseph D. .... 5:285A  
 Medve, Richard J. .... 7:414A  
 Mertens, Thomas R. .... 2:77E;8:517R  
 Messenger, Pike .... 6:371F  
 Meyer, Arthur D. .... 6:373L;9:582R  
 Miller, John W. .... 3:187R  
 Miller, Robert F. .... 8:505F  
 Mills, Richard R. .... 8:498F  
 Mintzes, Joel J. .... 7:447R  
 Moehring, Sister Pamela .... 1:63R  
 Murray, Darrel L. .... 4:251R  
 Myles, Christina J. .... 7:446R  
 Nagalski, Jan L. .... 7:441F  
 Nash, Peter 9:569F Odell, Rice .... 2:111A  
 Ofner, Susan .... 6:372L  
 Ogawa, Masayuso .... 9:573F  
 Olsen, Ingrid D. .... 9:527E  
 Orr, Alan R. .... 6:382R  
 Ost, David H. .... 2:117F  
 Oxenhorn, Joseph M. .... 7:442L

Pancella, John R. .... 8:518R  
 Patterson, Robert .... 9:570F  
 Perrin, Sister Imogene .... 9:579R  
 Peterson, Glen E. .... 1:10A;6:372L  
 Philips, V. DuZerah, III. .... 3:187R  
 Pitkow, Howard S. .... 7:446R  
 Pope, John .... 2:105A  
 Prosser, Arthur, E., Jr. .... 5:317L  
 Raham, R. Gary .... 8:470A  
 Ratzlaff, George H. .... 1:62R  
 Redden, Martha Ross .... 3:175A  
 Ritzo, Celine R. .... 6:372L  
 Ross, Frederick C. .... 1:43F  
 Rost, Thomas L. .... 6:338A  
 Rusch, John J. .... 2:85A  
 Russell, James D. .... 6:392R  
 Sandler, Maureen L. .... 6:338A  
 Schein, Martin W. .... 7:445R;8:508R  
 Schmidt, Donald J. .... 9:572F  
 Schofield, Carolyn W. .... 6:383R  
 Schok, Mindy .... 5:280A  
 Schuth, Jim .... 9:577R  
 Scribner, Charles W. .... 8:508R  
 Scriver, Charles R. .... 5:280A  
 Scriver, Dorothy Ellen .... 5:280A  
 Seiple, James E. .... 2:126R  
 Senzon, Martin E. .... 6:383R  
 Sestini, Virgil A. .... 6:385R  
 Shackelford, George G. .... 5:315F  
 Shaw, Margery W. .... 4:212A  
 Shellberg, Thomas L. .... 6:383R  
 Sherertz, Peter .... 8:498F  
 Sheridan, Philip .... 1:21A  
 Shields, Lester D. .... 2:125R  
 Shmurak, Carole B. .... 7:450R  
 Simmerer, Albertine, SSJ .... 9:582R  
 Simmons, Ellen Stephanie .... 6:379R  
 Simpson, Ronald D. .... 5:309F  
 Skoog, Gerald .... 1:23A;2:131R  
 Smallwood, William L. .... 5:312F  
 Smith, Bruce N. .... 9:578R  
 Smith, Edward H. .... 4:237A  
 Smith, Elliott W. .... 4:252R;6:390R  
 Smith, Rodney J. .... 1:43F  
 Snyder, Gordon G. .... 7:448R  
 Speroni, Gloria B. .... 5:318F  
 St. Amand, W. .... 9:576F  
 Stalter, Richard .... 7:445R;8:509R  
 Stein, Howard J. .... 4:251R  
 Stevens, Richard J. .... 9:534A  
 Strauss, Mary Jo Boehm. .... 3:181A  
 Stroessner, Wayne .... 6:372L  
 Tamir, Pinchas .... 6:353A;7:426A  
 Tarp, John R. .... 3:192R  
 Thompson, Clarence E. .... 2:131R  
 Thompson, Paula J. .... 1:63R  
 Troll, Ralph .... 6:388R  
 Ueda, Hiroshi .... 9:573F  
 Vigue, Charles L. .... 7:438F  
 Volpe, E. Peter .... 8:469E  
 Watson, Margaret L. .... 7:447R  
 Weinberg, Stanley L. .... 3:156A;5:327L;9:541A  
 Wheeler, Melissa .... 4:228A  
 Whitt, Dixie .... 4:205A  
 Wiersch, Linda .... 1:30A  
 Wiper, Harold .... 5:322F;7:439F  
 Woodburn, Norma D. .... 8:511R  
 Woodward, Val W. .... 1:58R  
 Wright, E. Gilbert .... 3:166A  
 Wurst, Glen G. .... 7:442L  
 Wyble, Robert R. .... 4:251R  
 Yongue, William H., Jr. .... 9:583R  
 Young, Sharon .... 6:381R  
 Younggren, Newell A. .... 7:410A  
 Zipko, Stephen J. .... 8:492A;9:546A

